



Attorney's Docket No.: 80398.P507

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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FEB 06 2002

In re of Application of:

Rising, III et al.

Examiner: Not Yet Assigned Technology Center 2100

Application No.: 09/904,174

Art Group: 2171

Filing Date: July 11, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

For: FUZZY RELATIONS AND GRAPH  
STRUCTURES FOR COMPACT  
DESCRIPTION AND  
MODIFICATION

on JANUARY 15, 2002  
Date of Deposit  
DAVID M. A. HIGGINS  
Name of Person Mailing Correspondence  
DAVID M. A. HIGGINS 1-15-02  
Signature Date

Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE  
AND REVOCATION OF PREVIOUS POWERS

Sony Corporation

(Name of Assignee)

("assignee"), a Japanese corporation having a place of  
(State of Incorporation)

business at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan  
(Address)

and Sony Electronics, Inc.

(Name of Assignee)

("assignee"), a Delaware Corporation having a place of business  
(State of Incorporation)

at 1 Sony Drive, Park Ridge, NJ 07656  
(Address)

hereby states and certifies that it is the assignee of the entire right, title and  
interest in the patent application identified above by virtue of an Assignment

from the inventor(s) of the patent application identified above. A copy thereof is attached.

Pursuant to 37 C.F.R. §§ 1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Jordan Michael Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Jae-Hee Choi, Reg. No. 45,288; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Mimi Diemmy Dao, Reg. No. 45,628; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George Fountain, Reg. No. 37,374; Andre Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Melissa A. Haapala, Reg. No. 47,622; Alan Heimlich, Reg. No. 48,808; James A. Henry, Reg. No. 41,064; Libby H. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,736; George Brian Leavell, Reg. No. 45,436; Samuel S. Lee, Reg. No. 42,791; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Julio Loza, Reg. No. 47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Richard A. Nakashima, Reg. No. 42,023; Stephen Neal, Reg. No. 47,815; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Michael A. Proksch, Reg. No. 43,021; Randol

W. Read, Reg. No. 43,876; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; Saina Shamilov, Reg. No. 48,266; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Ronald S. Tamura, Reg. No. 43,179; Edwin H. Taylor, Reg. No. 25,129; Lance A. Termes, Reg. No. 43,184; John F. Travis, Reg. No. 43,203; Kerry P. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Tom Van Zandt, Reg. No. 43,219; Brent Vecchia, Reg. No. 48,011; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Charles P. Landrum, Reg. No. 46,855; Suk S. Lee, Reg. No. 47,745; and Raul Martinez, Reg. No. 46,904, Brent E. Vecchia, Reg. No. 48,011; Lehua Wang, Reg. No. P48,023; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Pursuant to 37 C.F.R. § 3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to Maria Sobrino, Reg. No. 31,639, Blakely, Sokoloff, Taylor, & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, California 90025, and direct all telephone calls to the same at (408) 720-8300.

Assignee of Interest: Sony Corporation  
(Type or Print)

Assignee of Interest: Sony Electronics, Inc.  
(Type or Print)

Dated: 12/21/01

By: 

Name: Peter Toto, Esq.  
(Type or Print)

Title: \_\_\_\_\_  
(Type or Print)

Address of Assignee of Interest:

Sony Corporation

7-35 Kitashinagawa 6-Chome

Shinagawa-ku, Tokyo, Japan

and

Sony Electronics, Inc.

1 Sony Drive

Park Ridge, NJ 07656

Respectfully submitted,

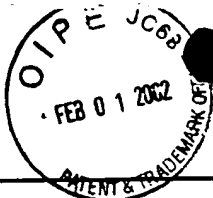
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: January 1, 2002 By Maria McCormack Sobrino

Name: Maria McCormack Sobrino  
(Type)

Reg. No.: 31,639

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8300



Attorney Docket No. 020699-002200US  
Client Ref. 50P3929.01

Form PTO-1595

(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)

Recordation Form Cover Sheet  
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U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Hawley K. Rising, III  
Ali Tabatabai  
Toby Walker

Additional name(s) of conveying parties attached? ☐ Yes ☒ No.

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date: October 8, 2001

2. Name and address of receiving parties

Name: Sony Corporation

17-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan

and

Name: Sony Electronics Inc.

1 Sony Drive, Park Ridge, NJ USA 07656

Additional names and addresses attached? ☐ Yes ☒ No

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Technology Center 2100

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No(s): 09/904,174

B. Patent No(s): \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Fidel D. Nwamu  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved one

7. Total fee (37 CFR 3.41): \_\_\_\_\_ \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: 20-1430

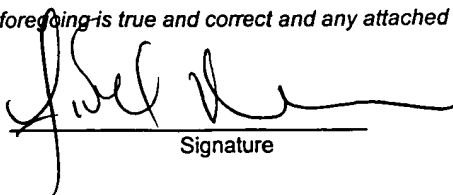
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Fidel Nwamu  
Name of Person Signing  
Atty. Reg. No. 46,294

  
Signature

October 29, 2001  
Date

Total number of pages including cover sheet, attachments and document 5

Mail documents to be recorded with required cover to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Hawley K. Rising, III of 3294 Desertwood Lane, San Jose, CA 95132; Ali Tabatabai of 10495 SW 155th Avenue, Beaverton, OR 97007; and Toby Walker of 1-4-15-502 Tachibana, Kugenuma Fujisawa City, Kanagawa-Preecture, Japan; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Fuzzy Relations and Graph Structures for Compact  
Description and Modification

Date(s) of execution of Declaration: 10/08/01

Filing Date: July 11, 2001

Application No.: 09/904,174; and

WHEREAS, Sony Corporation, a corporation of Japan, located at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan and Sony Electronics Inc., a corporation of the U.S., located at 1 Sony Drive, Park Ridge, NJ 07656, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 10/8/2001

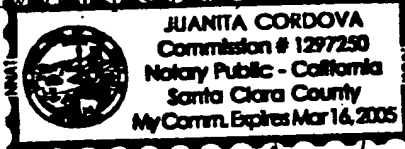
Hawley K. Rising, III  
Hawley K. Rising, III

STATE OF CALIFORNIA )  
 )  
COUNTY OF )

ss.

On 10-8-01, before me, Juanita Cordova,  
personally appeared Hawley K. Rising, III, personally known to me (or proved to me on the  
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Juanita Cordova  
NOTARY PUBLIC

My Commission Expires: 3-16-05

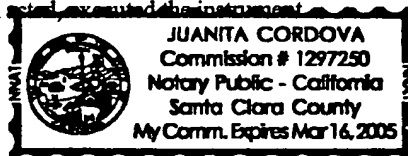
Dated: <sup>8 ATT</sup>  
October 10, 2001

  
Ali Tabatabai

STATE OF OREGON           )  
                                      )  
COUNTY OF                )       ss.

On 10-8-01, before me, Juanita Cordova,  
personally appeared Ali Tabatabai, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me  
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: 3-16-04



Dated: 10/8/2001

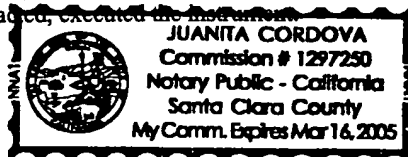
Toby Walker  
Toby Walker

Canadian,  
County Santa Clara

ss.

On 10-8-01, before me, Juanita Cordova,  
personally appeared Toby Walker, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me  
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: 3-16-01